

Combined Declaration and Power of Attorney for Patent ApplicationDocket Number: 15-4-499.00

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Spatialized Audio in a Three-Dimensional, Computer-Based Scene, the specification of which is attached hereto unless the following box is checked:

- ☐ was filed on _____;
as United States Application Number or PCT International Application Number _____; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

(Application No.)

(Filing Date)

(Application No.)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.)

(Filing Date)

(Status - patented, pending, abandoned)

(Application No.)

(Filing Date)

(Status - patented, pending, abandoned)

Appl. No. (to be assigned)
Docket No. 15-4-499.00

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Christopher Byrne, Esq., Reg. No. 32,204; Irene Hu Fernandez, Esq., Reg. No. 34,625; Steven S. Weiner, Reg. No. 38,330;

Robert G. Stern, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; Samuel L. Fox, Esq., Reg. No. 30,353; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Andrea G. Reister, Esq., Reg. No. 36,253; and Daniel N. Yannuzzi, Esq., Reg. No. 36,727.


Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W., #600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. (202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor:	
Shinya Matsuoka	
First inventor's signature	Date
	April 30 1997
Residence	
1885 California Street, #6, Mountain View, California 94041-1732	
Citizenship	
Japan	
Post Office Address	
1885 California Street, #6, Mountain View, California 94041-1732	

(Supply similar information and signature for subsequent joint inventors, if any)

**CORDATION FORM COVER SHEET
PATENTS ONLY**

Assistant Commissioner for Patents: Please record the attached original document.

1. Name of conveying party(ies):
PLATINUM technology, inc.

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
PLATINUM technology IP, inc.
1815 South Meyers Road
Oakbrook Terrace, IL 60181

3. Nature of conveyance:
☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

Additional names/addresses attached? ☐ Yes ☒ No

Execution Date: **December 23, 1998**

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):

B. Patent No.(s):

08/640,003
08/748,613
08/845,858
08/901,069
08/845,857
08/903,440
08/716,543
08/694,759
08/900,471
08/841,397

5,798,761
5,808,613

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

John C. Phillips
Fish & Richardson P.C.
601 Thirteenth Street, N.W.
Washington, DC 20005

6. Total number of applications/patents involved: **12**

7. Total fee (37 CFR 3.41): **\$480**

☒ Enclosed
☐ Authorized to charge deposit account

8. Deposit account number: **06-1050**

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

DO NOT USE THIS SPACE

9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

John C. Phillips, Reg. No. 35,322

Name of Person Signing

Signature

January 6, 1999

Date

Total number of pages including cover sheet, attachments, and document: **6**

PATENT ASSIGNMENT

WHEREAS, PLATINUM *technology, inc.*, a corporation of the State of Delaware, having a place of business at 1815 South Meyers Road, Oakbrook Terrace, Illinois 60181 ("ASSIGNOR"), is the owner of the entire right, title and interest in and to certain United States patents and patent applications as well as certain foreign patents and patent applications corresponding thereto, said patents and patent applications being identified in the attached Schedule A and being hereinafter referred to as "PATENTS AND PATENT APPLICATIONS".

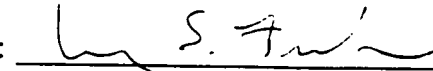
WHEREAS, PLATINUM *technology IP, inc.*, a corporation of the State of Delaware, having a place of business at 1815 South Meyers Road, Oakbrook Terrace, Illinois 60181 ("ASSIGNEE"), is desirous of obtaining the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS subject to any licenses previously granted thereunder,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable considerations paid by ASSIGNEE to ASSIGNOR, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assignees, the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS, including the right to sue for past infringement thereof.

ASSIGNOR agrees for itself and its successors, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the ASSIGNEE may reasonably request to effectuate fully this assignment.

IN TESTIMONY WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer.

PLATINUM *technology, inc.*

By: 

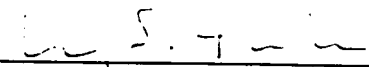
Name: Larry Freedman, Esq.

Title: Senior Vice-President and General Counsel

Date 12-22-98

ASSIGNEE hereby acknowledges receipt of the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS.

PLATINUM *technology IP, inc.*

By: 

Name: Larry Freedman, Esq.

Title: Senior Vice President and General Counsel

Date _____

ACKNOWLEDGEMENTS

ASSIGNOR

State of ILLINOIS)
)
County of DUPAGE) ss

On this 23RD day of DECEMBER, 1998, before me personally came Larry Freedman, Esq., to me known, who, being duly sworn, deposes and says that he is the Senior Vice President and General Counsel of PLATINUM *technology, inc.*, the corporation described in, and which executed the foregoing instrument; that the seal affixed to said instrument is the seal of said corporation; that it was so affixed by order of the Board of Directors of said corporation; and he signed his name thereto by like order.



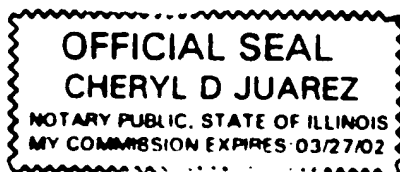
[Notary's Seal]

Cheryl D. Juarez
Notary Public
My Commission Expires

ASSIGNEE

State of ILLINOIS)
)
County of DUPAGE) ss

On this 23RD day of DECEMBER, 1998, before me personally came Larry Freedman, Esq., to me known, who, being duly sworn, deposes and says that he is the Senior Vice President and General Counsel of PLATINUM *technology IP, inc.* the corporation described in, and which executed the foregoing instrument; that the seal affixed to said instrument is the seal of said corporation; that it was so affixed by order of the Board of Directors of said corporation; and he signed his name thereto by like order.



[Notary's Seal]

Cheryl D. Juarez
Notary Public
My Commission Expires

SCHEDULE A

<u>SERIAL NO.</u>	<u>FILED</u>	<u>TITLE</u>
08/592,632	1/26/96	ROBUST MAPPING OF 2D CURSOR MOTION ONTO 3D LINES AND PLANES (U.S. Patent No. 5,798,761)
09/095,602	6/11/98	ROBUST MAPPING OF 2D CURSOR MOTION ONTO 3D LINES AND PLANES (continuation of U.S. Ser. No. 08/592,632) (abandoned)
08/640,003	4/30/96	INTERACTIVELY REDUCING POLYGON COUNT IN THREE-DIMENSIONAL GRAPHIC OBJECTS
08/748,613	1/27/99	INTERACTIVE AUTHORING OF 3D SCENES AND MOVIES
08/845,858	4/28/97	GENERATING MULTIMEDIA DOCUMENTS
08/901,069	7/28/97	PUBLISHING A HYPERMEDIA DOCUMENT
08/845,857	4/28/97	MANIPULATING GRAPHIC OBJECTS IN 3D SCENES
WO98/03345	4/28/98	MANIPULATING GRAPHIC OBJECTS IN 3D SCENES (PCT application claiming priority from U.S. Serial No. 08/845,857) (withdrawn)
08/903,440	7/30/97	TEXTURE MAPPING 3D GRAPHIC OBJECTS
08/654,297	5/28/96	NETWORK NAVIGATOR WITH ENHANCED NAVIGATIONAL ABILITIES (U.S. Patent No. 5,808,613)
08/716,543	9/19/96	SYSTEM AND METHOD FOR INCREASING THE PERFORMANCE FOR REAL-TIME RENDERING OF THREE-DIMENSIONAL POLYGONAL DATA
08/694,759	8/1/96	SYSTEM AND METHOD FOR OPTIMIZING A SCENE GRAPH FOR OPTIMIZING RENDERING PERFORMANCE

SCHEDULE A, cont'd

<u>SERIAL NO.</u>	<u>FILED</u>	<u>TITLE</u>
08/900,471	7/25/97	SYSTEM AND METHOD FOR INCREASING PERFORMANCE BY EFFICIENT USE OF LIMITED RESOURCES VIA INCREMENTAL FETCHING, LOADING AND UNLOADING OF DATA ASSETS OF THREE- DIMENSIONAL WORLDS BASED ON TRANSIENT ASSET PRIORITIES
08/841,397	4/30/97	SPATIALIZED AUDIO IN A THREE-DIMENSIONAL, COMPUTER-BASED SCENE

93808.W11